

Foil Leak Detection Chamber

PATENT CLAIMS

1. Foil leak detection chamber (1) comprising two frames (2, 3) which are connected together in an articulated manner, foils (4, 5) which are mounted on said frames, a test chamber (8) composed of the foils, a seal (12, 13, 18) arranged between the frames and at least one bore hole (7), preferably several bore holes, in at least one of the two frames (2, 3), which can be connected to the inlet of a vacuum pump (15, 16, 22), **wherein** an edge zone (14) is provided in which a vacuum can be created independently of the test chamber (8) and into which said bore holes (7) open out.
2. Chamber according to claim 1, **wherein** there are located between the frames (2, 3) two concentric seals (12, 13), the intermediate space of which forms the edge zone (14).
3. Chamber according to claim 1, **wherein** one of the frames (2, 3) is equipped with an inner circumferential protrusion (19), where the circumferential rim (21)

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of the protrusion (19) is in contact with the related foil (4, 5) and is so positioned that the two foils (4, 5) touch each other when the frames (2, 3) rest on each other.

4. Chamber according to claim 3, **wherein** the protrusion (19) is designed by means of a contoured unitary component joined to one of the frames (2, 3).

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